

ABSTRACT

An antenna base has a holding structure for installing an antenna directly thereon. The base also has a base plate with an axis perpendicular to the axis of an installed antenna. An antenna mounting plate is suitable for having the base plate affixed to it. The antenna mounting plate is supported relative to a pole clamp by a spherical shell. The mounting plate, exposed through an opening in the shell, is supported for rotating about a horizontal axis passing through the plate to provide for elevation angle adjustment. Locking screws are used to secure the adjusted elevation angle. The pole clamp has a pair of axially spaced tracks that define an arcuate path that extends circumferentially around at least a portion of the clamp. The shell is held in position adjacent to the clamp by two pairs of guide elements in a way that allows the shell to move along the arcuate path. An adjustment screw is used to adjust the position of the shell along the arcuate path, thereby adjusting the azimuth of the antenna about a vertical axis. Locking screws are used to secure the adjusted azimuth orientation.